

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S308	3	(S306 or S307) and (sensor or sensing or sense or sensed)	US-PGPUB; USPAT	OR	ON	2007/09/28 19:54
S298	3	(S296 or S297) and (sensor or sensing or sense or sensed)	US-PGPUB; USPAT	OR	ON	2007/09/28 19:54
S271	6	S270 and (sensor or sensing or sense or sensed)	US-PGPUB; USPAT	OR	ON	2007/09/28 19:55
S313	28	S312 and (sensor or sensing or sense or sensed)	US-PGPUB; USPAT	OR	ON	2007/09/28 20:00
S316	8	S312 and (piezoelectric)	US-PGPUB; USPAT	OR	ON	2007/09/28 20:00
S319	0	S318 and ( gamma with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/09/28 20:10
S322	34	cantilever and ( gamma with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/09/28 20:10
S318	40	( electrode same (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") same cantilever )	US-PGPUB; USPAT	OR	ON	2007/09/28 20:16
S328	2	S327 and cantilever	US-PGPUB; USPAT	OR	ON	2007/09/28 20:17
S310	5	S309 and (sensor or sensing or sense or sensed)	US-PGPUB; USPAT	OR	ON	2007/09/28 20:17
S323	1	( ((pt or platinum) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3")) same cantilever )	US-PGPUB; USPAT	OR	ON	2007/09/28 20:17
S321	0	S320 and ( gamma with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/10/10 16:05
S330	26	S329 and ( gamma with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/10/10 16:13
S333	0	S331 and (cantilever)	US-PGPUB; USPAT	OR	ON	2007/10/10 16:18
S332	3	S331 and (((ultrasonic or sonic or vibration) near2 (sensor or sensing or detector)) or resonator)	US-PGPUB; USPAT	OR	ON	2007/10/10 16:18
S334	40	S331 and (sensor or sensing or detector or detecting or resonator or resonating).ab.	US-PGPUB; USPAT	OR	ON	2007/10/10 16:19
S342	17	S341 and (257/415-419.ccls.)	US-PGPUB; USPAT	OR	ON	2007/10/10 16:37
S340	0	S338 and (257/415-419.fs.)	US-PGPUB; USPAT	OR	ON	2007/10/10 16:37
S337	0	S331 and (257/415-419.fs.)	US-PGPUB; USPAT	OR	ON	2007/10/10 16:37
S336	0	S331 and (257/415-419.ccls.)	US-PGPUB; USPAT	OR	ON	2007/10/10 16:37
S339	0	S338 and (257/415-419.ccls.)	US-PGPUB; USPAT	OR	ON	2007/10/10 16:42
S345	30	S344 and beam	US-PGPUB; USPAT	OR	ON	2007/10/10 16:43
S352	40	S350 and ( (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/10/10 16:51

## EAST Search History

S34 8	1	S347 and ( gamma with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) )	US-PGPUB; USPAT	OR	ON	2007/10/10 16:51
S34 9	7	S347 and ( (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) )	US-PGPUB; USPAT	OR	ON	2007/10/10 16:51
S34 7	44	(substrate with (etch or etched or etching) with (resonant adj frequency))	US-PGPUB; USPAT	OR	ON	2007/10/10 16:51
S35 3	34	S352 not S349	US-PGPUB; USPAT	OR	ON	2007/10/10 17:00
S35 1	1	S350 and ( gamma with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) )	US-PGPUB; USPAT	OR	ON	2007/10/10 17:00
S36 0	11	S358 and (resonant adj frequency)	US-PGPUB; USPAT	OR	ON	2007/10/10 17:05
S35 7	7	S355 and (substrate near2 (resonant adj frequency))	US-PGPUB; USPAT	OR	ON	2007/10/10 17:05
S36 4	0	S363 and ( gamma with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) )	US-PGPUB; USPAT	OR	ON	2007/10/10 17:06
S36 2	8	S361 not S360	US-PGPUB; USPAT	OR	ON	2007/10/10 17:06
S36 1	13	S358 and (piezoelectric)	US-PGPUB; USPAT	OR	ON	2007/10/10 17:06
S35 6	4	S355 and ( gamma with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) )	US-PGPUB; USPAT	OR	ON	2007/10/10 17:06
S36 5	3	S363 and (substrate near2 (resonant adj frequency))	US-PGPUB; USPAT	OR	ON	2007/10/10 17:07
S37 3	0	S372 and ( (pt or platinum) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) )	US-PGPUB; USPAT	OR	ON	2007/10/10 17:12
S37 1	2	S370 and ( gamma with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) )	US-PGPUB; USPAT	OR	ON	2007/10/10 17:12
S35 9	1	S358 and (substrate near2 (resonant adj frequency))	US-PGPUB; USPAT	OR	ON	2007/10/10 17:12
S37 5	0	S374 and (substrate with (resonant adj frequency))	US-PGPUB; USPAT	OR	ON	2007/10/10 17:13
S37 4	37	S370 and ( (pt or platinum) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) )	US-PGPUB; USPAT	OR	ON	2007/10/10 17:13
S36 8	44	S367 and ( (pt or platinum) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) )	US-PGPUB; USPAT	OR	ON	2007/10/11 13:50
S38 4	27	S383 and ( (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) near3 gamma)	US-PGPUB; USPAT	OR	ON	2007/10/11 13:55
S38 8	0	S387 and (resonator or resonating)	US-PGPUB; USPAT	OR	ON	2007/10/11 13:56
S39 0	0	S386 and (resonator or resonating)	US-PGPUB; USPAT	OR	ON	2007/10/11 13:56
S38 9	20	S385 and (resonator or resonating)	US-PGPUB; USPAT	OR	ON	2007/10/11 13:56
S33 5	40	S331 and (sensor or sensing or detector or detecting or resonator or resonating).ab.	US-PGPUB; USPAT	OR	ON	2007/10/11 13:56
S38 1	13	S380 and (piezoelectric)	US-PGPUB; USPAT	OR	ON	2007/10/11 17:59

## EAST Search History

S39 4	20	S393 and ( (pt or platinum) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" )	US-PGPUB; USPAT	OR	ON	2007/10/11 18:06
S39 9	17	S398 not S396	US-PGPUB; USPAT	OR	ON	2007/10/11 18:12
S39 8	20	((("333"/\$3.cor.) or ("310"/\$3.cor.) or ("29"/\$5.cor.)) and ( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" )	US-PGPUB; USPAT	OR	ON	2007/10/11 18:12
S39 6	3	((("333"/\$3.cor.) or ("310"/\$3.cor.)) and ( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" )	US-PGPUB; USPAT	OR	ON	2007/10/11 18:15
S40 3	5	S401 and ( (pt or platinum) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" )	US-PGPUB; USPAT	OR	ON	2007/10/11 18:20
S40 1	34	cantilever and ( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" )	US-PGPUB; USPAT	OR	ON	2007/10/11 18:20
S40 7	56	S404 and ( (pt or platinum) with electrode with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" )	US-PGPUB; USPAT	OR	ON	2007/10/11 18:44
S41 1	20	(vibration or (ultra adj sonic)).ab. and ( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" )	US-PGPUB; USPAT	OR	ON	2007/10/11 18:47
S39 2	26	S382 and (ultrasonic near (sensor or sensing or sense or sensed))	US-PGPUB; USPAT	OR	ON	2007/10/11 18:48
S41 2	14	( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) and ((cantilever or diaphragm) with (sensor or sensing or sense or sensed or detecting or detector or detected))	US-PGPUB; USPAT	OR	ON	2007/10/11 18:50
S41 3	0	( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) and ((cantilever or diaphragm) with (sensor or sensing or sense or sensed or detecting or detector or detected))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/11 18:50
S41 4	0	( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) and ((cantilever or diaphragm) and (sensor or sensing or sense or sensed or detecting or detector or detected))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/11 18:50
S41 7	35	S416 not S412	US-PGPUB; USPAT	OR	ON	2007/10/11 18:51
S41 5	0	( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) and (resonator or resonating)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/11 18:51
S41 6	36	( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" ) and (resonator or resonating)	US-PGPUB; USPAT	OR	ON	2007/10/11 19:03
S42 1	0	S420 and ( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" )	US-PGPUB; USPAT	OR	ON	2007/10/11 19:09
S42 5	3	S424 and ((pt or platinum) with ferroelectric)	US-PGPUB; USPAT	OR	ON	2007/10/11 19:10
S42 7	13	S426 and ( electrode with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" )	US-PGPUB; USPAT	OR	ON	2007/10/13 18:46
S42 3	0	S422 and ( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" )	US-PGPUB; USPAT	OR	ON	2007/10/13 18:47
S43 0	2	S429 and ( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3" )	US-PGPUB; USPAT	OR	ON	2007/10/13 18:53

## EAST Search History

S42 8	5	("310"/\$6.cor.) and ( (gamma) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/10/13 18:53
S43 3	26	S432 and ( electrode with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/10/13 18:55
S44 7	10	S446 and (sensor or sensing or detector or detecting or sense or detect)	US-PGPUB; USPAT	OR	ON	2007/10/13 19:24
S41 9	1	((ultra adj sonic) adj (sensor or sensing or detector or detecting)).ti.	US-PGPUB; USPAT	OR	ON	2007/10/13 19:24
S44 8	2	S446 and ferroelectric	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/13 19:45
S45 1	0	S440 and (cantilever or beam)	US-PGPUB; USPAT	OR	ON	2007/10/13 19:46
S45 2	8	S450 and (cantilever or beam)	US-PGPUB; USPAT	OR	ON	2007/10/13 19:47
S45 0	25	("310"/\$6.cor.) and S449	US-PGPUB; USPAT	OR	ON	2007/10/13 19:47
S45 8	50	("310"/\$6.cor.) and (ferroelectric with (pt or platinum))	US-PGPUB; USPAT	OR	ON	2007/10/13 19:59
S47 9	11	S478 and soi	US-PGPUB; USPAT	OR	ON	2007/10/13 22:31
S45 7	15	S456 and ( substrate with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/10/14 18:21
S48 0	13	(gamma with ((si or silicon) near substrate) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/10/14 18:23
S48 1	50	(gamma with (si or silicon) with ("100") with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/10/14 18:24
S48 2	6	(gamma with ((si or silicon) near2 ("100")) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/10/14 18:30
S48 6	6	S485 and (gamma with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/10/14 18:32
S48 4	3	(gamma with ((face or plane) near2 ("100")) with (alumina or (aluminum adj oxide) or "al.sub.2 o.sub.3" or "al.sub.2o.sub.3") )	US-PGPUB; USPAT	OR	ON	2007/10/14 18:32